

CLAIM AMENDMENTS

1-9. (Cancelled)

10. (currently amended) A device for collecting data in the form of images in association with a host computer, said device comprising:

A a circuit card, which can be fitted constructed to be received in to a card slot of a said host device computer, said image data for use by said host computer for personal communication, data collection, and data processing, and said circuit card further comprising:

optics built in said circuit card for obtaining image information;

an image sensor in said circuit card for obtaining image information;

an image ~~processing unit processor~~ in said circuit card;

a memory unit in said image ~~processing unit processor~~ for storing obtained image information; and

a processor unit in said image ~~processing unit processor~~ for processing obtained image information.

11. (currently amended) ~~A circuit card~~ The device e according to claim 10, wherein said memory unit comprises at least volatile and non-volatile memory.

12. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising a power supply for providing power to maintain said obtained image information in said memory unit.

13. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said image sensor is a semiconductor camera.

14. (currently amended) ~~A circuit card~~ The device according to claim 10, further adapted to fit into a card slot of a device ~~the host computer~~ for personal communication, data collection and data processing that is a PCMCIA compatible card slot.

15. (currently amended) ~~A circuit card~~ The device according to claim 10, wherein said circuit card has physical dimensions corresponding substantially with those of a standard PCMCIA circuit card.

16. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a character recognition task on image information obtained by said image sensor for generating a set of recognized characters.

17. (currently amended) ~~A circuit card~~ The device according to claim 16, wherein said means for performing a character recognition task comprises a software program stored in the memory unit of the circuit card.

18. (currently amended) ~~A circuit card~~ The device according to claim 10, further comprising means for performing a pattern recognition task on a graphical object in said image information obtained by said image sensor.

19. (currently amended) A ~~circuit card~~ The device according to claim 18, wherein said means for performing a pattern recognition task comprises a software program stored in the memory unit of the circuit card.

20. (currently amended) A ~~circuit card~~ The device according to claim 10, further comprising an output coupled to said image processing means for outputting image information obtained by said image sensor to said device ~~for personal communication, data collection, and data processing~~ host computer.

21. (canceled)

22. (currently amended) A ~~circuit card~~ The device according to claim ~~21~~ claim 10, further comprising character recognition means for performing a character recognition task on image information obtained by said image sensor means and generating a set of recognized characters.

23. (currently amended) A ~~circuit card~~ The device according to claim 22, wherein said character recognition means comprises a software program stored in said memory means unit.

24. (currently amended) A ~~circuit card~~ The device according to claim ~~21~~ claim 10, further comprising pattern recognition means for performing a pattern recognition task on graphical information in said image information obtained by said image sensor.

25. (currently amended) A circuit card The device according to claim 24, wherein said pattern recognition means comprises a software program stored in said memory means unit.

26. (currently amended) A circuit card The device according to claim 21 claim 10, further comprising an output coupled to said image processing unit processor for outputting image information obtained by said image sensor means to said device for personal communication, data collection, and data processing host computer.